

Research and

**Special Programs** Administration

400 Seventh St., S.W. Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0560/S, REVISION 1

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. Source Identification JLS & A Model No. 7810-150.
- Source Description The source is a double encapsulation constructed of Type 304 stainless steel and sealed by heliarc welds. Maximum outside dimensions are 31.5 mm (1.25 in) diameter by 61.5 mm (2.42 in) long. The capsules are constructed in accordance with J. L. Shepherd and Associates Drawing No. A-0563-4241-150, Rev. A (attached).
- 3. Radioactive Contents Not more than 240.5 TBq (6500 Ci) of Cobalt-60 as solid metal pellets or rods.
- <u>Quality Assurance</u> Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires August 31, 2009.

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated August 4, 2004 submitted by J. L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

Certified by:

Robert A. McGuire

Associate Administrator for

Hazardous Materials Safety

AUG - 6 2004

Revision 1 - Issued to update to the 1996 IAEA regulations and to extend the expiration date.

<sup>&</sup>quot;Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



.050"

AS AMENDED 1990.

.040" 1.250 DIA DIA .152" 1-1/4" OD X .049" WALL OUTER CAPSULE - TURN FROM 304 S.S. TUBE 2.255" - 2,420" .05 064"

CAPSULE	S.S. TUBE	, MALF	.050		1.064"	DIA		- 2.255" 125" <sub>A</sub>	— 2.420" ————	INNER CAPSOLE		304 S.S. TUBE	- 1-1/8" OD X .035" WALL
APPROVED >	D. TRAN	.X ± .030 .XX ± .010 ± 1/16 .XXX ± .005	DECIMALS FRACTIONS	UNLESS OTHERWISE SPECIFIED:		PER	7. ANS	6. MAX	OR	CHE	5. INSI	99	ור דיר
7/22/pg	DATE 27AUG98	30,	<del>20</del>	SPECIFIED:		RFORMAN	N43.6	MUM A	OR 1/4 DIA RODS	EMICAL F	INSIDE CONTENTS	78, 199	ANU
SCALE FULL	SIZE MODEL A 7810-150	INNER &				PERFORMANCE CLASSIFICATI	7. ANSI N43.6-1997 AND ISO	MAXIMUM ACTIVITY - (650C	A RODS	CHEMICAL FORM - METAL	1	9978, 1992-02-15.	PER ANSI N 43.6-199/
SHEET 1 OF 1	DWG ND. A-0563-4241-150 A	& OUTER SOURCE CAPSULE 7810-150	רו וורועך מויני מיניניניניני	L. SHEPHERD and Associates		ATION C-43434.	SO 2919, 1980-005-01	600 Ci) COBALT-60		AL 1mm PELLETS	COBALT-60		7 AND ISO